

□ □ □ □ □ □ □ □ □ □

□ □ □ □ □ □

□□□□

[illegible]

[illegible]

Universal
Approximation Theorem – Nash Embedding Theorems

critique criticus κριτικός critical judgement

[illegible][illegible]

□ □ □ □ □ □ □ □ □ □ □ □ □ □

[illegible]

Turing Test AlphaGo dataset

[illegible]

AlphaGo Zero is superhuman
AlphaGo AlphaZero MuZero

SAE level 4

ready ALphabet/Waymo SAE level 4 SAE level 4 ALphabet/Waymo

Reward Is Enough reward reward reward Reward

SAE level 4

Nash Embedding Theorems Word-embedding Vector Space

deep learning reinforcement learning

Universal Approximation Theorem selfish gene

1 AlphaGo Deepmind AlphaGo

Zero

2

3

4

1) 2) 3) 4) 1) 2)

Leukotomy selfish gene Technological
Singularity potentially a meta-solution to any problem Reward Is Enough
 liberal arts

A B C D

A.

1.

2.

3. Chaitin's constant

4.

5. 1 - 4

B.

6. relevance theory

7.

8. Grigori Perelman Poincaré conjecture

9. Demis Hassabis □ AlphaGo □□□□□□□ intuition□□□□□□□□□□ intuition □□□ Demis Hassabis □□□ AlphaGo □□□□□ intuition □□□□□□□□ AlphaGo □□□□□□□□□□□□ a meta-solution to any problem□

10. AlphaGo **Nature** **superhuman performance**

C. □□□□□□□□□□□□□□

11. form

12. motif

13. `truth` is a variable that holds the value `truth`.
What is the output of the following code?

14. □□□□□□□□ The Selfish Gene□□ The Immortal Gene□□□□□□□□□□□□□□□□□□□□□□□□

15. Freeman Dyson Birds and Frogs birds
frogs

16. Austrian School of Economics

17. selfish gene

D. □□□□□□□□□□□□□□□□:

18.

19.

20. 比较“科学”和“科学主义”两个概念，并说明科学主义与科学哲学的关系。
 科学主义与科学哲学的关系：科学主义是科学哲学的一个分支，科学哲学是科学主义的一个分支。

21. Turing Machine deterministic, probabilistic, etc.

22. □□ Turing Test □□□□□□□□□□□□□□□□□□□□ SAE level 4 □ level 5 □□□□□□□□□□
□□□□□□□□□□□□□□□□□□□□□□

23. word-embedding vector space encoder-decoder, attention, transformer, BERT

24. deep-learning deep residual networks generative adversarial networks, etc.

25. Universal Approximation Theorem overfitting underfitting chaos phenomena

26. selfish gene

27.

Freeman Dyson

“

AlphaGo Nature SAE level 5 SAE level 4

The Selfish Gene

Freeman Dyson a great bird frog bird frog frog bird frog bird

natural law